IFPS Job Sheet No. 9

Checking For Discrepancies

Objective — This job sheet will familiarize you with procedures on how to check for meteorological discrepancies. Due to the large amount of the data in the GFE, it will be necessary to run consistency check.

Of course, building these procedures to run with each forecast would be impractical. Pre-defined procedures, called Smart Tools, are collections of procedures that allow you to check for inconsistencies, create customized products, as well as any numbers of operations. Below is an exercise designed to use Smart Tools to test for inconsistencies.

Calculate Discrepancy Edit Area for T and Td

1. **Edit** a **T** grid and a **Td** grid such that the **Td exceeds** the **T** in some area of the grid.
2. Set the **Discrepancy value** for **Td to zero.**
3. **Turn off** the **Edit Grid Values Mode** and **Turn on the Calculate Discrepancy Edit Area Mode**.
4. **Set up** the **Time** to intersect your grids and set the Edit Area over the entire grid.
5 .**Execute the T_Consistency** Script by pressing the left mouse button over it..
6. **Bring up** the **Edit Area Dialog (?** on the ButtonBar) to see a list of Edit Areas. You will see one named with the current Time and Script name. **Select it and Click Submit**.
7. You should see an **area showing where the Td exceeds the T**.

Calculate Edit Grid Values for T and Td

1. **Turn on** the **Edit Grid Values Mode** and **Turn off** the **Calculate Discrepancy Edit Area Mode**.
2. **Execute** the **T_Consistency Script**. This time the values **Td values will be changed**.
3. To **verify** this, you could **re-run** the Tool with the **Calculate Discrepancy Edit Area Mode on**. You should get an empty area.